



#9

Sheet 1 of 5

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
100086.407C7APPLICATION NO.  
10/006,869

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Orest W. Blaschuk et al.

FILING DATE

December 4, 2001

GROUP ART UNIT

1631  
~~Not Yet Assigned~~

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MA	AA	5,585,351	12/17/96	Ranscht	514	12	
	AB	5,597,725	1/28/97	Suzuki	435	328	
	AC	5,610,281	3/11/97	Brenner et al.	530	388.85	
	AD	5,639,634	6/17/97	Suzuki	435	69.1	
	AE	5,643,781	7/1/97	Suzuki	435	325	
	AF	5,646,250	7/8/97	Suzuki	530	350	
	AG	5,663,300	9/2/97	Suzuki	530	350	
	AH	5,708,143	1/13/98	Suzuki	530	350	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
MA	AI	GB 2282379 A	4/5/95	England		
	AJ	WO 91/04745	4/18/91	WIPO		
	AK	WO 94/11401	5/26/94	WIPO		
	AL	WO 96/27387	9/12/96	WIPO		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MA	AM	Albelda et al., "Adhesion Molecules and Inflammatory Injury," <i>FASEB J.</i> 8(8): 504-512, 1994.
	AN	Berndorff et al., "Liver-Intestine Cadherin: Molecular Cloning and Characterization of a Novel Ca <sup>2+</sup> -dependent Cell Adhesion Molecule Expressed in Liver and Intestine," <i>The Journal of Cell Biology</i> 125(6): 1353-1369, 1994.
	AO	Blaschuk et al., "E-cadherin, estrogens, and cancer: is there a connection?," <i>The Canadian Journal of Oncology</i> 4(4): 291-301, 1994.
	AP	Busselmakers et al., "The role of OB-cadherin in human prostate cancer," <i>Proceedings of the American Association for Cancer Research, Vol. 39</i> , New Orleans, LA, March, 1998, page 500.

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9/8/03

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10-3 /  
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
msy	BA	5,811,514	9/22/98	Bard et al.	530	324	
msy	BB	5,916,771	6/29/99	Hori et al.	435	69.6	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
msy	BC	WO 98/02452	1/22/98	WIPO		
msy	BD	WO 98/25946	6/18/98	WIPO		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

msy	BE	Edgington, "How Sweet It Is: Selectin-Mediating Drugs," <i>Bio/Technology</i> 10(4): 383-389, 1992.
	BF	Fredette and Ranscht, "T-Cadherin Expression Delineates Specific Regions of the Developing Motor Axon-Hindlimb Projection Pathway," <i>The Journal of Neuroscience</i> 14(12): 7331-7346, 1994.
	BG	Getsios et al., "Regulated Expression of Cadherin-6 and Cadherin-11 in the Glandular Epithelial and Stromal Cells of the Human Endometrium," <i>Developmental Dynamics</i> 211: 238-247, 1998.
	BH	Grillner and Matsushima, "The Neural Network Underlying Locomotion in Lamprey - Synaptic and Cellular Mechanisms," <i>Neuron</i> 7: 1-15, 1991.
	BI	Inoue et al., "Cadherin-6 in the Developing Mouse Brain: Expression Along Restricted Connection Systems and Synaptic Localization Suggest a Potential Role in Neuronal Circuitry," <i>Developmental Dynamics</i> 211: 338-351, 1998.
	BJ	Kahan, "Immunosuppressive Therapy," <i>Current Opinion in Immunology</i> 4(5): 553-560, 1992.
	BK	Kawamura et al., "cDNA Cloning and Expression of a Novel Human Desmocollin," <i>The Journal of Biological Chemistry</i> 269(42): 26295-26302, 1994.
	BL	King et al., "Cloning of the cDNA (DSC1) Coding for Human Type 1 Desmocollin and Its Assignment to Chromosome 18," <i>Genomics</i> 18: 185-194, 1993.
✓	BM	King et al., "The Desmocollins of Human Foreskin Epidermis: Identification and Chromosomal Assignment of a Third Gene and Expression Patterns of the Three Isoforms," <i>J. Invest. Dermatol.</i> 105: 314-321, 1995.

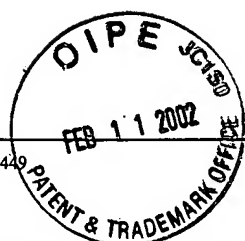
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GROUP ART UNIT

Not Yet Assigned 163/

## U.S. PATENT DOCUMENTS

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CA						

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
CB			

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MA	CC	Koch et al., "Complete amino acid sequence of the epidermal desmoglein precursor polypeptide and identification of a second type of desmoglein gene," <i>European Journal of Cell Biology</i> 55: 200-208, 1991.
	CD	Kohmura et al., "Diversity Revealed by a Novel Family of Cadherins Expressed in Neurons at a Synaptic Complex," <i>Neuron</i> 20: 1137-1151, 1998.
	CE	Lutz et al., "Antibody Recognition of Peptide Sequences from the Cell-Cell Adhesion Proteins: N- and E-cadherins," <i>Peptide Research</i> 9(5): 233-239, 1996.
	CF	Matsuyoshi and Imamura, "Multiple Cadherins Are Expressed in Human Fibroblasts," <i>Biochemical And Biophysical Research Communications</i> 235: 355-358, 1997.
	CG	Munro et al., "Characterization of Cadherins Expressed by Murine Thymocytes," <i>Cellular Immunology</i> 169: 309-312, 1996.
	CH	Munro and Blaschuk, <i>Cell Adhesion and Invasion in Cancer Metastasis</i> , P. Brodt (ed.), RG Landes Co., Austin, Texas, 1996, Chapter 3, "The Structure, Function, and Regulation of Cadherins," pp. 17-34.
	CI	Nakagawa and Takeichi, "Neural crest cell-cell adhesion controlled by sequential and subpopulation-specific expression of novel cadherins," <i>Development</i> 121: 1321-1332, 1995.
	CJ	Navarro et al., "Differential Localization of VE- and N-Cadherins in Human Endothelial Cells: VE-Cadherin Competes with N-Cadherin for Junctional Localization," <i>The Journal of Cell Biology</i> 140(6): 1475-1484, 1998.
	CK	Okazaki et al., "Molecular Cloning and Characterization of OB-Cadherin, a New Member of Cadherin Family Expressed in Osteoblasts," <i>The Journal of Biological Chemistry</i> 269(16): 12092-12098, 1994.
✓	CL	Parker et al., "Desmosomal Glycoproteins II and III. Cadherin-Like Junctional Molecules Generated By Alternative Splicing," <i>The Journal of Biological Chemistry</i> 266(16): 10438-10445, 1991.

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GROUP ART UNIT

163/  
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## U.S. PATENT DOCUMENTS

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DA						

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
			YES NO
DB			

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MA4	DC	Ranscht and Bronner-Fraser, "T-cadherin expression alternates with migrating neural crest cells in the trunk of the avian embryo," <i>Development</i> 111: 15-22, 1991.
	DD	Ranscht and Dours-Zimmermann, "T-Cadherin, a Novel Cadherin Cell Adhesion Molecule in the Nervous System Lacks the Conserved Cytoplasmic Region," <i>Neuron</i> 7: 391-402, 1991.
	DE	Redies and Takeichi, "Cadherins in the Developing Central Nervous System: An Adhesive Code for Segmental and Functional Subdivisions," <i>Developmental Biology</i> 180: 413-423, 1996.
	DF	Sacristán et al., "T-Cadherin 2: Molecular Characterization, Function in Cell Adhesion, and Coexpression With T-Cadherin and N-Cadherin," <i>Journal of Neuroscience Research</i> 34: 664-680, 1993.
	DG	Sano et al., "Protocadherins: a large family of cadherin-related molecules in central nervous system," <i>The EMBO Journal</i> 12(6): 2249-2256, 1993.
	DH	Shibata et al., "Identification of Human Cadherin-14, a Novel Neurally Specific Type II Cadherin, by Protein Interaction Cloning," <i>The Journal of Biological Chemistry</i> 272(8): 5236-5240, 1997.
	DI	Shibata et al., "Simultaneous expression of cadherin-11 in signet-ring cell carcinoma and stromal cells of diffuse-type gastric cancer," <i>Cancer Letters</i> 99: 147-153, 1996.
	DJ	Shimazui et al., "Complex Cadherin Expression in the Renal Cell Carcinoma," <i>Cancer Research</i> 56: 3234-3237, 1996.
✓	DK	Shimoyama et al., "Isolation and Sequence Analysis of Human Cadherin-6 Complementary DNA for the Full Coding Sequence and Its Expression in Human Carcinoma Cells," <i>Cancer Research</i> 55: 2206-2211, 1995.

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GROUP ART UNIT

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## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
EB			

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MSW	EC	Shimoyama et al., "Molecular Cloning and Characterization of a Novel Human Classic Cadherin Homologous with Mouse Muscle Cadherin," <i>The Journal of Biological Chemistry</i> 273(16): 10011-10018, 1998.
	ED	Simmonneau et al., "Cadherin 11 Expression Marks the Mesenchymal Phenotype: Towards New Functions for Cadherins?," <i>Cell Adhesion and Communication</i> 3: 115-130, 1995.
	EE	Slootstra et al., "Structural Aspects of Antibody-Antigen Interaction Revealed Through Small Random Peptide Libraries," <i>Molecular Diversity</i> 1: 87-96, 1995.
	EF	Sugimoto et al., "Molecular Cloning and Characterization of a Newly Identified Member of the Cadherin Family, PB-cadherin," <i>The Journal of Biological Chemistry</i> 271(19): 11548-11556, 1996.
	EG	Suzuki et al., "Diversity of the cadherin family: evidence for eight new cadherins in nervous tissue," <i>Cell Regulation</i> 2: 261-270, 1991.
	EH	Tanihara et al., "Cloning of Five Human Cadherins Clarifies Characteristic Features of Cadherin Extracellular Domain and Provides Further Evidence for Two Structurally Different Types of Cadherin," <i>Cell Adhesion and Communication</i> 2: 15-26, 1994.
	EI	Tkachuk et al., "Identification of an atypical lipoprotein-binding protein from human aortic smooth muscle as T-cadherin," <i>FEBS Letters</i> 421: 208-212, 1998.
	EJ	Vestal and Ranscht, "Glycosyl Phosphatidylinositol-anchored T-Cadherin Mediates Calcium-dependent, Homophilic Cell Adhesion," <i>The Journal of Cell Biology</i> 119(2): 451-461, 1992.
	EK	Ward and Mulligan, "Blocking of Adhesion Molecules <i>In Vivo</i> as Anti-Inflammatory Therapy," <i>Therapeutic Immunology</i> 1: 165-171, 1994.
	EL	Wheeler et al., "Desmosomal glycoprotein DGI, a component of intercellular desmosome junctions, is related to the cadherin family of cell adhesion molecules," <i>Proc. Natl. Acad. Sci. USA</i> 88: 4796-4800, 1991.

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PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

APPLICATION NO.

100086.407C7

10/006,869

SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

Orest W. Blaschuk et al.

FILING DATE

December 3, 2001

GROUP ART UNIT

1631

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MA	AA	6,031,072	02/29/00	Blaschuk et al.	530	317	
	AB						
	AC						
	AD						
	AE						
	AF						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AG	WO 00/02917	01/20/00	WIPO		
	AH					
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